

March 11, 2003

MEMORANDUM TO: Marsha Gamberoni, Deputy Director  
New Reactor Licensing Project Office  
Office of Nuclear Reactor Regulation

FROM: Joseph Colaccino, Senior Project Manager */RA/*  
New Reactor Licensing Project Office  
Office of Nuclear Reactor Regulation

SUBJECT: FEBRUARY 21, 2003, TELEPHONE CONFERENCE CALL SUMMARY

On Friday, February 21, 2003, a telephone conference call was held with Westinghouse Electric Company (Westinghouse) representatives and Nuclear Regulatory Commission (NRC) staff to discuss two requests for additional information (RAIs): 451.001 and 451.006. Westinghouse submitted responses to these RAIs on November 26, 2002 (ADAMS Accession No. ML023360097). A list of call participants is included in Attachment 1. Attachment 2 contains NRC staff comments regarding the subject RAIs that were sent to Mr. Michael Corletti of Westinghouse via electronic mail on February 19, 2003. The comments were used to facilitate discussions during the telephone conference call.

Following is a brief summary of the discussions regarding the identified RAIs (see comments in Attachment 2):

RAI 451.001

Westinghouse provided additional clarifying information. However, Westinghouse was unable to provide the technical basis for the meteorological values referenced from the Electric Power Research Institute (EPRI) Utility Requirements Document. The NRC staff determined that no additional information was needed at this time pending a review of the Westinghouse AP1000 design control document and further consideration of the EPRI Utility Requirements Document.

RAI 451.006

Westinghouse agreed to modify the RAI response to provide key design inputs and methodology assumptions used in calculating X/Q for the design.

Docket No. 52-006

Attachment: As stated

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Attachment: As stated

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FEBRUARY 21, 2003  
TELEPHONE CONFERENCE CALLS SUMMARY  
LIST OF PARTICIPANTS

Nuclear Regulatory Commission

Joseph Colaccino  
Leta Brown

Westinghouse

Mike Corletti  
Ron Vijuk  
Jim Grover

NUCLEAR REGULATORY COMMISSION STAFF  
COMMENTS THAT WERE SENT TO WESTINGHOUSE TO  
FACILITATE DISCUSSIONS OF THE RAI RESPONSES  
FOR CALL HELD ON FEBRUARY 21, 2003

LBrown  
02/14/2003

**AP1000 UNRESOLVED REQUEST FOR ADDITIONAL INFORMATION ITEMS**

- (451.1) Westinghouse has referenced the Electric Power Research Institute (EPRI) Utility Requirements Document in response to Question 451.001 as the basis for meteorological inputs for the AP1000 design. What is the technical basis for selection of these values? What is the technical basis for the deviation of the tornado parameter from the recommendations of Regulatory Guide [RG] 1.76, "Design Basis Tornado for Nuclear Power Plants," including providing only a single wind speed and no pressure drop nor rate of pressure drop?
- (451.6) The response to Question 451.006 regarding control room relative concentration (X/Q) values states, "As required for all Combined License (COL) information items, the specific methodology, inputs and assumptions used in this analysis will be provided as part of the COL application." Does this mean that Westinghouse is seeking certification of only the numeric values of the X/Qs provided for the postulated release and receptor locations. Staff notes that this leaves factors such as numeric definitions of the source and receptor locations (e.g., closest point, mid-point, straight-line or around building distance) and type of release (e.g., point, diffuse and assumed area) to be resolved at the COL phase. The AP1000 reference X/Q values may be based upon assumptions that would be found unacceptable at the COL. For example, the main equipment hatch X/Q values appear low given the apparent short distance to the control room intake. Why is the control room air intake placed where it is? Is the intake within 10 meters of the containment building wall? Are there any other in leakage locations other than the annex entrance?

AP 1000

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